BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Project Division Yelahanka

Measurement Sheet

1st & Part Bill

Name of work: Improvements to roads and Drains from Bagalur main road to Shivapura in Ward No.05

Name of Agency: M/S. KRIDL

Item No: 1

Description: KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specificatioMORTH Chapte(P-142, It,-19.2)

CHAINAGE		NO	L	B1	B2	Avg B	Avg D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
Measurement recorded on:			02/05/18, 03/05/18, 10/05/18, 11/05/18						
Roads									
SHIVAPURA									
Kattigenahalli main road From Bagalur main road to End									
0.00	0.00	1	0.00	6.70	6.70	6.70	0.20	0.00	
0.00	30.00	1	30.00	6.70	5.80	6.25	0.20	37.50	
30.00	60.00	1	30.00	5.80	5.60	5.70	0.20	34.20	
60.00	90.00	1	30.00	5.60	5.70	5.65	0.20	33.90	
90.00	120.00	1	30.00	5.70	5.90	4.90	0.20	29.40	
120.00	150.00	1	30.00	5.90	5.40	5.65	0.20	33.90	
150.00	180.00	1	30.00	5.40	5.70	5.55	0.20	33.30	
180.00	210.00	1	30.00	5.70	5.50	5.60	0.20	33.60	
210.00	226.50	1	16.50	5.50	5.60	5.55	0.20	18.32	
TELECOM LAYOUT									
Cross road-01 from 10th cross to 13th cross									
0.00	0.00	1	0.00	6.70	6.70	6.70	0.20	0.00	
0.00	30.00	1	30.00	6.70	5.80	6.25	0.20	37.50	
30.00	60.00	1	30.00	5.80	5.60	5.70	0.20	34.20	
60.00	90.00	1	30.00	5.60	5.70	5.65	0.20	33.90	
90.00	120.00	1	30.00	5.70	5.90	4.90	0.20	29.40	
120.00	139.20	1	19.20	5.90	5.40	5.65	0.20	21.70	
10th Cross road From park to 1st Main road									
Widening									
0.00	0.00	1	0.00	1.20	1.20	1.20	0.10	0.00	
0.00	10.00	1	10.00	1.20	1.20	1.20	0.10	1.20	
10.00	40.00	1	30.00	1.20	1.20	1.20	0.10	3.60	
40.00	70.00	1	30.00	1.20	1.20	1.20	0.10	3.60	
70.00	100.00	1	30.00	1.20	1.20	1.20	0.10	3.60	
100.00	130.00	1	30.00	1.20	1.20	1.20	0.10	3.60	
130.00	154.00	1	24.00	1.20	1.20	1.20	0.10	2.88	

Drain Desilting

SHIVAPURA

Kattigenahalli main road From Bagalur main road to End

	0.00	0.00	2	0.00	0.60	0.60	0.60	0.55	0.00	
	0.00	30.00	2	30.00	0.60	0.60	0.60	0.55	19.80	
	30.00	60.00	2	30.00	0.60	0.60	0.60	0.55	19.80	
	60.00	90.00	2	30.00	0.60	0.60	0.60	0.55	19.80	
	90.00	120.00	2	30.00	0.60	0.60	0.60	0.60	21.60	
	120.00	150.00	2	30.00	0.60	0.60	0.60	0.55	19.80	
	150.00	180.00	2	30.00	0.60	0.60	0.60	0.55	19.80	
	180.00	210.00	2	30.00	0.60	0.60	0.60	0.55	19.80	
	210.00	226.50	2	16.50	0.60	0.60	0.60	0.55	10.89	
RCC Culvert										
			1	4.50			1.70	0.90	6.89	
			1	5.00			1.70	0.90	7.65	
Quantity carried summary									595.12	Cum
Schedule-B Quantity									668.65	Cum
Quantity carried to summary									595.12	Cum

Contractor Representative

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Consultant Representative

Asst Engineer
Project yelahanka
BBMP Bengalore

Asst.Executive Engineer
Project yelahanka
BBMP Bengalore

11/5/2018

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Project Division Yelahanka

Measurement Sheet

1st & Part Bill

Name of work: Improvements to roads and Drains from Bagalur main road to Shivapura in Ward No.05

Name of Agency: M/S. KRIDL

1	4000/4000-1 Loading and unloading of stone boulder/stone aggregates/sand/.kanker/moorum. 4000/4000-1:Placing tipper at loading point, loading with front end loader, dumping, turning for spreading, excluding time for haulage and return trip complete as per specification MORTH (P-130, It.No. 17.1)							
	DAMAGE / Item Mark / Recorded on:	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			02/05/18, 03/05/18, 10/05/18, 11/05/18						
	Quantity Same as item No-01							595.12	
	Quantity carried summary							595.12	Cum
	Schedule-B Quantity							668.65	Cum
	Quantity carried to summary							595.12	Cum

Consultant Representative

Asst.Executive Engineer
Project yelahanka
BBMP Bengalore

11/5/2018

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Project Division Yelahanka

Measurement Sheet

1st & Part Bill

Name of work: Improvements to roads and Drains from Bagalur main road to Shivapura in Ward No.05

Name of Agency: M/S. KRIDL

Item No:	3	
Item Name:	KSRB 4-1.1: Providing and laying in position plain cement concrete of nominal mix 1:3:6 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Specification No. KBS 4.1, 4.2 (P-12, It.4.2)	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement recorded on:			04/05/18						
	RCC Culvert								
		1	4.50			1.70	0.15	1.15	
		1	5.00			1.70	0.15	1.28	
Quantity carried summary								**2.42**	**Cum**
Schedule-B Quantity								**2.70**	**Cum**
Quantity carried to summary								**2.42**	**Cum**

Assistant Executive Engineer
Contractor Representative
KRIDL, BBMP, Bangalore

Consultant Representative

Asst Engineer
Project yelahanka
BBMP Bengalore

Asst.Executive Engineer 4/5/2018
Project yelahanka
BBMP Bengalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Project Division Yelahanka

Measurement Sheet

1st & Part Bill

Name of work: Improvements to roads and Drains from Bagalur main road to Shivapura in Ward No.05

Name of Agency: M/S. KRIDL

Item No: 4

Item Name: KSRB 4.2.2:Providing andlaying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs, with 20mm and down size graded granite metal coarse aggregates @0.878 cum and fine aggregates @ 0.459 cum, with superplastisiser @ 3lts confirming to IS 9103-1999 Reaffirmed -2008, machine mixed, concrete laid in layres not exceeding 15 cms, thick vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase,lintles, retaining walls, return walls, walls (any thickness) includng attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills fillets etc, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No.KBS 4.1, 4.6 (P-13, It.4.11)

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement recorded on:			29/05/18			22/06/18			
	RCC Culvert								
	Deck Slabs	1	4.50			1.80	0.23	1.86	
		1	5.00			1.80	0.23	2.07	
	Wall	2	4.50			0.30	0.65	1.76	
		2	5.00			0.30	0.65	1.95	
	Raft	1	4.50			1.50	0.20	1.35	
		1	5.00			1.50	0.20	1.50	
Quantity carried summary								**10.49**	**Cum**
Schedule-B Quantity								**11.10**	**Cum**
Quantity carried to summary								**10.49**	**Cum**

Assistant Executive Engineer
Contractor Representative Project Division
KRIDL, BBMP, Bangalore

Consultant Representative

Asst Engineer
Project yelahanka
BBMP Bengalore

Asst.Executive Engineer 22/06/2018
Project yelahanka
BBMP Bengalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Project Division Yelahanka

Measurement Sheet

1st & Part Bill

Name of work: Improvements to roads and Drains from Bagalur main road to Shivapura in Ward No.05

Name of Agency: M/S. KRIDL

Item No:	5
Item Name:	KSRB 4.9-2:Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification NO.KBS 4.6.3 (P-17, It.4.46.2)fe 500

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement recorded on:			07/05/18						
	Deck Slabs								
				4.50					
	Main Bar								
	12mm dia		46	1.80				82.80	
	0.89kg/m							**73.69**	Kg
	Distribution bar								
	8mm dia		19	4.50				85.50	
	0.395kg/m							**33.77**	Kg
				5.00					
	Main Bar								
	12mm dia		51	1.80				91.80	
	0.89kg/m							**81.70**	Kg
	Distribution bar								
	8mm dia		19	5.00				95.00	
	0.395kg/m							**37.53**	Kg
								226.69	
	Into two For Double Mat (A)							453.38	
	Walls								
				4.50					
	U bar								
	12mm dia		46	2.30				105.80	
	0.89kg/m							**94.16**	Kg
	Distribution bar								
	8mm dia		24	4.50				108.00	
	0.395kg/m							**42.66**	Kg
				5.00					
	U bar								
	12mm dia		51	2.30				117.30	
	0.89kg/m							**104.40**	Kg
	Distribution bar								
	8mm dia		24	5.00				120.00	
	0.395kg/m							**47.40**	Kg

									288.62	
		Into two For Double Mat (B)							577.24	
		(A+B)							1030.62	kgs
									1.03	
Quantity carried summary									1.03	Ton
Schedule-B Quantity									1.11	Ton
Quantity carried to summary									1.03	Ton

Contractor Representative

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Asst Engineer
Project yelahanka
BBMP Bengalore

Consultant Representative

Asst.Executive Engineer
Project yelahanka 7/5/2018
BBMP Bengalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Project Division Yelahanka

Measurement Sheet

1st & Part Bill

Name of work: Improvements to roads and Drains from Bagalur main road to Shivapura in Ward No.05

Name of Agency: M/S. KRIDL

Item No:	6	
Item Name:	KSRB 4-6.4:Providing and removing centering, shuttering, strutting, propping etc, and removal of form work for vertical surface such as walls at any thickness, including attached plasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P-17 It.4.31)	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement recorded on:			09/05/18						
RCC Culvert									
Deck Slabs		1	4.50			1.30		5.85	
		1	5.00			1.00		5.00	
Wall		4	4.50			1.20		21.60	
		4	5.00			1.20		24.00	
Quantity carried summary								**56.45**	**Sqm**
Schedule-B Quantity								**69.60**	**Sqm**
Quantity carried to summary								**56.45**	**Sqm**

Contractor Representative

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Asst Engineer
Project yelahanka
BBMP Bengalore

Consultant Representative

9/5/2018

Asst.Executive Engineer
Project yelahanka
BBMP Bengalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Project Division Yelahanka

Measurement Sheet

1st & Part Bill

Name of work: Improvements to roads and Drains from Bagalur main road to Shivapura in Ward No.05

Name of Agency: M/S. KRIDL

Item No: 7

Item Name: Providing granite slabs of selected quality roughly dressed having a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. (P-254 It.5.31.2)

SLNO	CHAINAGE Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement recorded on:				07/05/18, 08/05/18						
				SHIVAPURA						
				Kattigenahalli main road From Bagalur main road to End						
	0.00	0.00	2	0.00			1.65		0.00	
	0.00	30.00	2	30.00			1.65		99.00	
	30.00	60.00	2	30.00			1.65		99.00	
	60.00	90.00	2	30.00			1.65		99.00	
	90.00	120.00	2	30.00			1.65		99.00	
	120.00	150.00	2	30.00			1.65		99.00	
	150.00	180.00	2	30.00			1.65		99.00	
	180.00	210.00	2	30.00			1.65		99.00	
	210.00	226.50	2	16.50			1.65		54.45	
Quantity carried summary									**747.45**	**sqm**
Schedule-B Quantity									**1244.10**	**sqm**
Quantity carried to summary									**747.45**	**sqm**

Assistant Executive Engineer
City Corporation Sub Division
KRIDL, BBMP, Bangalore

Contractor Representative

Asst Engineer
Project yelahanka
BBMP Bengalore

Consultant Representative

8/5/2018

Asst.Executive Engineer
Project yelahanka
BBMP Bengalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Project Division Yelahanka

Measurement Sheet

1st & Part Bill

Name of work: Improvements to roads and Drains from Bagalur main road to Shivapura in Ward No.05

Name of Agency: M/S. KRIDL

Item No:	8	
Item Name:	KSRRB M300-55. Construction of sub-grade and earthen shoulders with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 30O-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller) MORTH Specification No. 305(P-148, It.-19.62)	

SLNO	CHAINAGE Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement recorded on:				14/05/18		15/05/18				
SHIVAPURA										
Kattigenahalli main road From Bagalur main road to End										
	0.00	0.00	1	0.00	6.70	6.70	6.70	0.15	0.00	
	0.00	30.00	1	30.00	6.70	5.80	6.25	0.15	28.13	
	30.00	60.00	1	30.00	5.80	5.60	5.70	0.15	25.65	
	60.00	90.00	1	30.00	5.60	5.70	5.65	0.15	25.43	
	90.00	120.00	1	30.00	5.70	5.90	4.90	0.15	22.05	
	120.00	150.00	1	30.00	5.90	5.40	5.65	0.15	25.43	
	150.00	180.00	1	30.00	5.40	5.70	5.55	0.15	24.98	
	180.00	210.00	1	30.00	5.70	5.50	5.60	0.15	25.20	
	210.00	226.50	1	16.50	5.50	5.60	5.55	0.15	13.74	
TELECOM LAYOUT										
Cross road-01 from 10th cross to 13th cross										
	0.00	0.00	1	0.00	6.70	6.70	6.70	0.15	0.00	
	0.00	30.00	1	30.00	6.70	5.80	6.25	0.15	28.13	
	30.00	60.00	1	30.00	5.80	5.60	5.70	0.15	25.65	
	60.00	90.00	1	30.00	5.60	5.70	5.65	0.15	25.43	
	90.00	120.00	1	30.00	5.70	5.90	4.90	0.15	22.05	
	120.00	139.20	1	19.20	5.90	5.40	5.65	0.15	16.27	

10th Cross road From park to 1st Main road										
Widening										
	0.00	0.00	1	0.00	1.20	1.20	1.20	0.10	0.00	
	0.00	10.00	1	10.00	1.20	1.20	1.20	0.10	1.20	
	10.00	40.00	1	30.00	1.20	1.20	1.20	0.10	3.60	
	40.00	70.00	1	30.00	1.20	1.20	1.20	0.10	3.60	
	70.00	100.00	1	30.00	1.20	1.20	1.20	0.10	3.60	
	100.00	130.00	1	30.00	1.20	1.20	1.20	0.10	3.60	
	130.00	154.00	1	24.00	1.20	1.20	1.20	0.10	2.88	
Quantity carried summary									326.59	Cum
Schedule-B Quantity									311.03	Cum
Quantity carried to summary									311.03	Cum

Contractor Representative

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Asst Engineer
Project yelahanka
BBMP Bengalore

Consultant Representative

15/5/20

Asst.Executive Engineer
Project yelahanka
BBMP Bengalore